

Project Design Phase – I

Problem Solution Fit

Date	01 October 2022
Team ID	PNT2022TMID30150
Project Name	VIRTUAL EYE - LIFE GUARD FOR SWIMMING POOLS TO DETECT ACTIVE DROWNING
Maximum Marks	

Problem-Solution Fit

Define CS, fit into CL	1. CUSTOMER SEGMENT(S) CS	6. CUSTOMER LIMITATIONS <small>EG. BUDGET, DEVICES</small> CL	5. AVAILABLE SOLUTIONS <small>PROS & CONS</small> AS	Explore AS, differentiate
	Swimmers and Ordinary people, Organization and Trainers	It will be Affordable and Device compatibility and User-friendly device	The existing solution which gets the data and after training the model, predicts the results. Various software and device have been developed but not gives accuracy rate	
Focus on PR, tap into BE, understand RC	2. PROBLEMS / PAINS + ITS FREQUENCY PR	9. PROBLEM ROOT / CAUSE RC	7. BEHAVIOR + ITS INTENSITY BE	Focus on PR, tap into BE, understand RC
	Lifeguards and trainers can't monitor all the swimmers /persons at a same time Detection system to detect drowning persons was not fast and accurate	The possibilities of detection of drowning were not up to the expected level and accuracy rate of the detection of existing system was low so there is a need for developing a system with high accuracy rate in detection	Get information from others Search and learn about drowning detection system Search for solution in online	
Identify strong TR & EM	3. TRIGGERS TO ACT TR	10. YOUR SOLUTION SL	8. CHANNELS of BEHAVIOR CH	Extract online & offline CH of BE
	<div style="background-color: #d4edda; text-align: center;">4. EMOTIONS <small>BEFORE / AFTER</small> EM</div> <p>Before: Insecure and stressful</p> <p>After: Relaxed, Comfortable, feel secure</p>		<div style="background-color: #d4edda; text-align: center;">ONLINE</div> <p>Share information, social media, Blogs</p> <hr/> <div style="background-color: #d4edda; text-align: center;">OFFLINE</div> <p>Monitor persons, Friends and Colleague, get help from lifeguards or trainers</p>	